SPILLWAY DWR

CA-CDF-000114 INCIDENT ACTION PLAN





OPERATIONAL PERIOD

2/24/2017

0600

to

2/25/2017

0600

			100 min 100 mi
•			

	INC	DENI ODJE	×IIAEÓ (105 202)	,	
1. Incident Nam SPILL	e: .WAY DWR	2. Operational Period	Date From:	2/24/2017 0600	Date To: Time To:	2/25/2017 0600
3. Objective(s):			<u> </u>	3333		0000
Management Ol	bjectives:					
1. Provide for th	e protection of the pu	blic health and welfare, a	nd for the safet	y of all first resp	onders.	
2. Maintain the i	ntegrity of Oroville Da	m.				
3. Continue to m	nonitor and assess the	e damage to the Lake Ord	oville Spillway.			
		curate release of public in with the Department of V			Public, respond	ling
5. Maintain the c	pperational availability	of the Hyatt Power Plant				
6. Maintain the i	ntegrity and operation	al availability of the Ther	malito Diversior	n Dam.		
Control Objectiv	10C:					
Control Objectiv	, , , , , , , , , , , , , , , , , , ,					
Continue work	to repair emergency	spillway.				
2. Validate readi	ness and implementa	tion of contingency and n	nitigation meas	ures.		
3. Apply flood mi	itigation measures to	protect the Hyatt Powerh	ouse.			
Coordinate air	space within TFR.					
		ouildup in feather River be n HYPP and allow for pro	-	•	hermalito Dive	rsion
6. Continue effort	t for temporary/perma	nent repair to control spill	way.			
7. Continue work	to relocated 230kV po	ower lines for Hyatt Powe	rplant.			
I. General Situa	tional Awareness:					
	•					
	r				•	
5. Site Safety Pla	an Paguirad?	Yes No X	·		·	<u>.</u>
	an Required? afety Plan(s) Located					
3. Incident Actio						<u> </u>
CICS 203	X ICS 208	X Weather Forecast				
K ICS 204	A 1.25 550	X Security Memo				
CICS 205	X ICS 214	X Facilities Map				
(ICS 205A	X ICS 215A	X ICP Map		•		
CICS 206	X Finance Message					
. Prepared By:	Alfred Macias	Position/Title: RESL	Signature:	7		>
. Approved by I	ncident Commander		Signature:	01. 3	Zorona.	
		Date/Time	_	18:00		7
CS 202		Date/ Time	2120118	10.00	1000	101000

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:	2. Operation	al Period: Date From	: 2/24/2017	Date To: 2/25/2017
SPILLWAY		Time From		Time To: 0600
3. Incident Commander		7. Operation Sect		
IC/UC's	Joel Ledesma	Chief	Pat Whitlock	
Dt.	Kory Honea	Deputy		ubia / John Berringer
Deputy	Bahard Calkanaadah	Night Ops	Nate Smith	
0.64.06	Behzad Soltanzadeh	Ot - nin - A		
Safety Officer	Mike Parreira	Staging Area		In the second se
Information Officer	Chris Orrock	Branch	Catad	Director:
Liaison Officer	Matt Murray	Division/Group	Gated Spillway	T. Wehling
LE Liaison Officer		133		J. Baches A.M.
4. Agency/Organization		Division/Group	Emergency Spillway	J. Personeni P.M.
Agency/Organization	Name	· · · · · · · · · · · · · · · · · · ·	Spillway	J. Personeni P.IVI.
Butte County OES	Cindy Dunsmoor	Division/Group	Misc.	E. Elliot A.M.
CalFire/Butte Co. Fire	Chris Haile		+	
Oroville P.D.	Allen Byers / Rob	—Division/Group	Powerline	A. Ortiz A.M.
CHP	Marc Stokes		Codiment	<u> </u>
Yuba City F.D.	Pete Daley	—Division/Group	Sediment	T. Meyers A.M.
PG & E	Pam Perdue		Removal	<u> </u>
Army Corp of Engineers	Tyler Stalker	Division/Group	Hyatt	R. Brault A.M.
Oroville Hospital	Cooper Cunningham	Di 11 10	+	
CAL Trans	Kirk Hemstalk	Division/Group	_	· · · · · · · · · · · · · · · · · · ·
State Parks	Aaron Wright	Division/Group	<u> </u>	
California Fish & Wildlife	Carol Oz	Division/Group	-	
CCC	Jeremy Edwards	Division/Group		
FERC	Frank Blackett	Division/Group		
Red Cross	Dave Willoughby	Branch		Director:
		Division/Group		
5. Planning Section:		Division/Group	<u> </u>	
Chief	Mark Hafner	Division/Group		
Deputy	Joe Tapia / Andrrew Steward	Division/Group	ļ	
Resource Unit	A. Macias / P. Randhawa/ L. Plata	Division/Group		
Situation Unit	Kevin Robinson /R. MacTarnaghan	Branch		Director:
Documentation Unit	Alyssa Stutz	Division/Group	<u> </u>	
Demobilization Unit		Division/Group		
GIS Specialist	Chip Fowler	Division/Group		
Technical Specialist		Division/Group	<u> </u>	
		Division/Group	<u> </u>	
6. Logistics Section		Air Operations Bra	anch	Director: Matt Stanford
Chief	Wendy Underhill	Division/Group		Shem Hawkins
Deputy		<u> </u>		
Support Branch Director	Ken Dunn		<u> </u>	
Facilities Unit		8. Finance/Admini		
Ground Support Unit	Chuck Saiz	Chief	Jessica Roles	
Communications Unit	Mark Chadwick	Deputy		
Medical Unit	Josh Urias	Time Unit	Karen Cawth	
Food Unit	Wendy Underhill	Procurement Unit	Deanna Butle	
Motel Unit		Comp/Claims Unit	Anna Guevar	
		Cost Unit	Lynne Esparz	za
				`
Prepared By: Name:	Alfred Macias		Signature:	JK O



Incident Weather Forecast



FORECAST NO: 6 (5-day Outlook)

NAME OF INCIDENT: Spillway DWR

PREDICTION FOR: Wed - Sun

SHIFT DATE: Wednesday Feb 22, 2017

UNIT: CA-BTU

SIGNED:

Incident/Meteorologist

Jason Clăpp

TIME AND DATE

FORECAST ISSUED: 1800 2/21/17

Call NWS Sacramento for forecast updates (916) 979-3051 or request a point-specific Spot forecast @ www.weather.gov/spot

...AREA FLOOD WARNING - Valid through Thursday...

Weather Discussion: The broad upper trough that contributed to the widespread precipitation over pass few days lingers around the Pacific Northwest Coast today and into the weekend with a couple waves moving through the region to keep threat of precipitation mainly over foothills/Sierra eastward of Dam area. The next significant rain is late weekend.

FORECAST for Today (Wednesday):

	Oroville Dam/Spillway	Feather River Basin (2000-5000 ft)				
Weather	Partly cloudy with isolated light showers	Mostly cloudy with scattered showers				
Highs	50 – 53	30 – 40				
20 ft Winds	SSE winds 6-10 mph gusting 15 mph					
500 ft Winds	SSE winds 6-10 mph gusting 15 mph					
24 hr Precip	< 0.1 inch	0.5 inch				
Snow Level 3000 - 3500 ft						

FORECAST for Thursday:

	Oroville Dam/Spillway	Feather River Basin (2000-5000 ft)					
Weather	Partly cloudy	Mostly cloudy with isolated showers					
Highs	52 – 55	30 – 40					
20 ft Winds	S 7-10 mph shifting NW 6-9 mph in afternoon						
500 ft Winds	S 7-10 mph shifting NW 6-9 mph in afternoon						
24 hr Precip	0	0.1 inch					
Snow Level	3500 - 4000 ft						

OUTLOOK FORECAST for Friday - Sunday:

Friday-Saturday: Broad upper low stalling over the Pacific Northwest and bringing impulses into the weekend. Westerly upper level flow develops ahead of another broad trough and brings in more moisture with chances increasing toward additional light precipitation Saturday. Winds will be fairly light.

Saturday Night-Sunday: Next system with significant rain contributing to lake inflows. More widespread precipitation is expected with snow levels climbing a bit Saturday night into Sunday as warmer air moves in with more subtropical moisture. Snow levels drop Sunday as the Low moves near the coast. Winds will increase and likely be strongest Sunday ahead of this system.

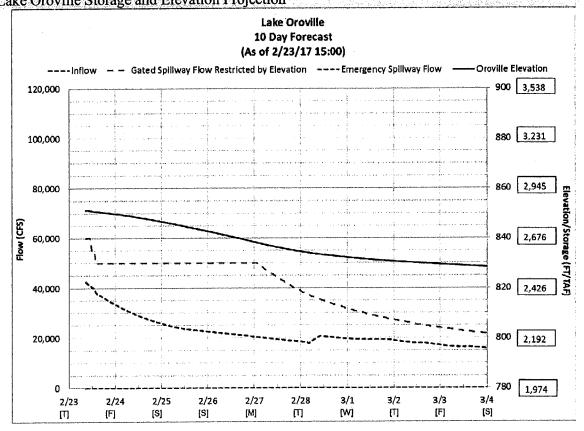
Water Operations Update Related to the Oroville Spillway Emergency

SWP Facility: Operational Area Incident Number: Oroville Spillway 2017-02-07 **OFD** Incident Type: Latitude: Longitude: Liner Damage Storage (TAF): Elevation (ft): Incident Severity: 850.63 (15:00) 2,817 (15:00) Vacant Space (TAF) Encroachment (TAF): Status: 29 (15:00) 737 (15:00) Active Inflow (cfs): Total to Feather River at Fish Barrier (cfs): Maintaining Office: 51,000 (15:00) 43,000 (15:00) **DWR O&M** Hyatt Flow (cfs): Gated Spillway Flow (cfs): 50,000 (15:00) 0 (15:00) Tailrace Elevation (ft) Emergency Spillway Flow (cfs): 0 (15:00) 253.21 (15:00) Field Division Contact: OCO Contact: POC OFD ACC 916-574-1960 530-534-2418

Most Recent Activity:

[2017-02-23 12:00] Total flow to Feather River decreased from 61,000 cfs to 56,000 cfs [2017-02-23 14:00] Total flow to Feather River decreased from 56,000 cfs to 51,000 cfs

Lake Oroville Storage and Elevation Projection

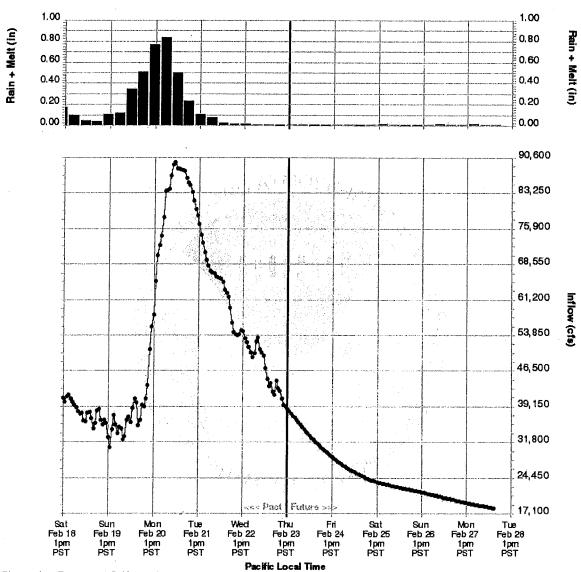


Weather Forecast

	Quan	Quantitative Precipitation Forecast (inches)					Freezing Level (1000 ft)					
	2/23	2/24	2/25	2/26	2/27	2/28	2/23	2/24	2/25	2/26	2/27	2/28
Feather River Basin Average	0.0	0.0	0.1	0.2	0.1	0.0	2.3	2,5	2,7	3.1	3.3	4.0

^{*} Last QPF update was 2/23 at 1300

Inflow Forecast



Observed • Forecast • Quidance •. Created: 02/23/2017 at 1:47.PM PST (ORDC1 Forecast Run Time = 2124Z)

California Department of Water Resources NOAA / NWS / California Nevada River Forecast Center

[Last Forecast Update from 2/23/17 @ 1345]

1-day inflow volume no significant change

2-day inflow volume increased by 1 TAF

3-day inflow volume increased by 1 TAF

4-day inflow volume increased by 2 TAF

5-day inflow volume increased by 3 TAF



Department of Water Resources

1. INCIDENT NAME: 2. DATE PREPARED: 3. TIME PREPARED: February 23, 2017 1600

4. PREPARED BY: 5. LEADER NAME:

6. OPERATIONAL PERIOD:

Bill Collins SOF

Michael Parreira SOF

2/24/17 0600

TO

2/25/17 0600

SAFETY MESSAGE

NEAR MISS!

AN UNPLANNED EVENT THAT THREATENS HUMAN SAFETY OR HEALTH!

- Rain slick roads are throughout the incident, slow down when driving.
- Be prepared for your designated work assignments be on time and prepare.
- Take cover when lightning occurs.
- Review the emergency signaling plan with your crew.
- Be alert for all weather conditions.
- Slowdown in and around the incident base and watch out for local traffic.
- Be mindful of debris in the roadways always look ahead.
- Have all required PPE on hand and ready for use.
- Make sure to wear the appropriate PPE for the current and predicted weather.

Safety is everyone's Business!

EMERGENCY SIGNALING

1 QUICK BLAST = STOP WORK
2 QUICK BLASTS = CONTINUED WORK
3 QUICK BLASTS = EVACUATE AREA
1 LONG BLAST = MEDICAL EMERGENCY

Michael Parreira Lead Safety Officer

Mill 26



INCIDENT RISK ANALYSIS ICS 215A

BRANCH	HAZARDOUS ACTIONS/ CONDITIONS	MITIGATIONS/WARNINGS/REMEDIES
	MUSTER POINT	Know your MUSTER point
ALL		• ICP to Lake Oroville Event Center (5131 Royal Oaks Dr.)
		Division A, Z and Powerline group – Upper Overlook
	DDWING IVA DADG	Division X – Silver Dollar Fair Grounds (2357 Fair St., Chico)
	DRIVING HAZARDS	• Watch your speeds,
$\mathbf{A}LL$		Ensure all loads are properly tied down and secured.
		Watch for road degradation and pot holes.
	NAVES A PERFECTA	Be aware of falling trees, mud slides and brush in the road.
	WEATHER	Be aware of changing wind conditions. But the second conditions are second conditions.
A T T		Be aware of lightning and take cover.
ALL		Allow extra time to arrive at your destination.
		Be cautious of slick roadways. H. D. C. L.
	DEDCOMPET CAREEN	Have appropriate PPE for the rain.
4 7 7	PERSONNEL SAFETY	• All personnel are responsible for their personal safety.
ALL.		Immediately report any suspicious activity.
		Be sure to wear all required PPE at all times while on site.
ALL	HYDRATION	Drink water before, during and after each shift.
	WATER HAZARDS	Be alert when working near or around moving water.
$\mathbf{A}\mathbf{L}\mathbf{L}$		Wear appropriate PPE when near water.
· · · · · · · · · · · · · · · · · · ·		Post lookouts as needed.
ALL	FATIGUE	 Be alert for signs of fatigue and take breaks as necessary.
		Monitor incoming resources for level of fatigue.
ALL	RESIDENTS	Evacuation order lowered to a "Evacuation Warning".
		Watch for residents in and around work sites.
	COMMUNICATIONS	• Check the communication plan for changes.
ALL	,	Be clear and concise when talking on the radio.
		Use human repeaters as needed.
	BRIEFINGS	• Make sure everyone gets a briefing on the plan for the day.
ALL		 Make sure everyone reviews and signs the JHA.
		Brief your crews on the Emergency Signaling Plan.
ALL	LCES	• Ensure that LCES is being utilized.
	HELICOPTER AWARNESS	 Be aware of rotor wash when working near helicopters.
		Keep eyes open for overhead loads.
ALL		Stay clear of helicopter landing zones.
		Monitor assigned aircraft frequencies.
		Watch for falling debris from loads.
	HEAVY EQUIPMENT	Watch out for heavy equipment traffic!
ALL	•	• Be aware of heavy equipment working in the area.
		Be watchful around heavy equipment, they may not see you.
Incident I	Name:	Date Prepared: 2/23/2017 Operational Period:
	SPILLWAY	Prepared by: Michael Parreira 2/24/2017 – 2/25/2017
	SI ILL VVA I	0600-0600

Department of Water Resources

Oroville Field Division

SECURITY MESSAGE

Employees and Contractors must be mindful that information used on a daily basis should be considered *SENSITIVE*. Certain actions are Prohibited.

- Assigned personnel SHALL NOT take unauthorized photos or video at Oroville Field Division (OFD)
- All work related photos, documents, drawings, or video, etc. are for Departmental use only and will remain the property of the Department of Water Resources
- Photos or video of critical infrastructure, sensitive areas, or information are not to be captured on personal cell phones, cameras, or other personal devices

THE SHARING OF SENSITIVE OFD INFORMATION ON SOCIAL MEDIA SITES IS FORBIDDEN.

Source Document: OFD Security Memo No. 1

1. Incident Name:			onal Period:	3.				
Spillway DWR		Date From:	02/24/17	Date	To: 02/25/	117		
		Time From	: 0600	Time	To: 06		Branch:	
4. Operations Personi	nel:		J				Division:	Gated
Operations Section	Chief:	Day: P. Whitle	ock*				Group:	
		Night: N. Smi	th*				1	Spillway
Division/Group Supe	rvisor:						Staging	Group
Division/Croup Cupe	1 11301.	Tim Wenning	•••				Area:	Group
5 December Angles	al a	······			1		 	
5. Resources Assigne	a:		· -	of erson	Contact (o. a.	, phone, pager, radio	Reporting Loc Equipment an	ation, Special
Resource Identifier L	eader			# of Pers	frequency, et	c.)	Remarks, Not	es, Information
Excavator							DP 1 @ 0600	
Excavator							DP 1 @ 0600	
Excavator							DP 1 @ 0600	
Excavator							DP 1 @ 0600	
Loader							DP 1 @ 0600	
Loader							DP 1 @ 0600	
Telehandler					L		DP 1 @ 0600	
Water Pump							DP 1 @ 0600	
Water Pump							DP 1 @ 0600	
<u> </u>			-					·
							<u></u>	······································
								
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					•	****		
								
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							_	
	-							
6. Work Assignments:								
Continue monitoring spill	-	<u>.</u> 4						
Stockpiling rock at the bo	oneyan	u,						
Denotes a 12 hour reso	urce.							
7. Special Instructions:						*******		
-						•		
Monitors with a safety	officer	will be movin	g in and out	of div	isions and wi	ili notify division sup	ervisors.	
3. Communications (rad	dio and	or phone cont	act numbers r	needed	for this assig	nment):		
Name		Function			_	ager, or radio (freque	ncy/system/cha	innel)
								, '-
		/ .	REFER TO I	CS 20	5 FOR COM	MUNICATIONS PLAN		
	. ,	,				•		
		·					• •	
. Prepared by: Na	me: A	lfred Macias		F	osition/Title:	RESL	Signature:	
CS 204					Date/Time:	02/23/17	2200	

1. Incident Name:	2. Operational Period	1:	3.
Spillway DWR	Date From: 02/24	/17 Date To: 02/25/17	Emergency
	Time From: 06	800 Time To: 0600	IBranch:
4. Operations Personn	nel:		Division: Spillway
Operations Section	on Chief: Day: P. Whitlock*		Group: Group
•	Night: N. Smith*		Staging
Division/Group Su	pervisor: J. Baches A.M. / J. Per	eononi P M	Area: Page 1 of 2
5. Resources Assigned	·		1 age 1 01 2
5. Resources Assigned	u: r	ြ Contact (e.g., phone, pager, rad	Reporting Location, Special Equipment and Supplies, Remarks,
Resource Identifier	Leader	ভ ট Contact (e.g., phone, pager, rad	Notes, Information
Haul Truck			DP 3 @ 0600
Haul Truck			DP 3 @ 0600
Haul Truck			DP 3 @ 0600
Haul Truck			DP 3 @ 0600
Haul Truck			DP 3 @ 0600
Haul Truck			DP 3 @ 0600
Haul Truck			DP 3 @ 0600
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Haul Truck			DP 3 @ 0600
Haul Truck			DP 3 @ 0600
Haul Truck			DP 3 @ 0600
Haul Truck			DP 3 @ 0600
Excavator			DP 3 @ 0600
Excavator			DP 3 @ 0600
Excavator			DP 3 @ 0600
Excavator Excavator	,	<u> </u>	DP 3 @ 0600 DP 3 @ 0600
Grader	·		DP 3 @ 0600
Skip Loader		 	DP 3 @ 0600
6. Work Assignments:			2. 0 @ 0000
-	nd concrete on erosion areas on sp	pillway.	
	ess road from diversion pool and F		
*Denotes a 12 hour reso	ource.		
7. Special Instructions	:		
Monitors with a safety	officer will be moving in and out	of divisions and will notify division su	nervisors
momitors with a surety	omoo, wiii zo moving m ana oa.	or arriorono and will houry arrioron ou	PO: 1100101
			•
2 2 4 4		and death, and	
`	dio and/or phone contact numbers		
Name	/ Function Primary	Contact: indicate cell, pager, or radio (fre	quency/system/channel)
	/ DECED:	TO ICS 205 FOR COMMUNICATIONS D	A N I
	, REFER	TO ICS 205 FOR COMMUNICATIONS PI	LAIN
	/		
O Draward by	Name: Alfred Masins	Position (Title) - DEG!	Signature: N. P. 1
	Name: Alfred Macias	Position/Title: RESL	Signature:
ICS 204		Date/Time: 02/23/17	2200

1. Incident Name: 2. Operational Period:						3.	
Spillway DWR				te To: 02/25/			Emergency
		Time From:	0600 Tin	<u> 1e То: 06</u>	600	Branch:	
4. Operations Persor	nnel:					Division:	Spillway
Operations Sec	tion Chief:	Day: P. Whitlock*				Group:	Group
		Night: N. Smith*				Staging	о. о и.р
Division/Group S	upervisor:	J. Baches A.M. / J. F	ersoneni i	P. M .	***	Area:	Page 2 of 2
5. Resources Assign	ed:		1	=		Reporting Lo	ocation, Special
				Contact (e.g.	, phone, pager, radio		ind Supplies, Remarks,
Resource Identifier	Leader		# 0	frequency, et	c.)	Notes, Inforn	nation
Loader						DP 3 @ 060	
Loader						DP 3 @ 060	
Bull Dozer						DP 3 @ 060	0
Bull Dozer					·	DP 3 @ 060	0
Bull Dozer						DP 3 @ 060	0
Bull Dozer		,				DP 3 @ 060	0
Bull Dozer						DP 3 @ 0600	0
Telehandler						DP 3 @ 060	
Pump Truck					· · · · · · · · · · · · · · · · · · ·	DP 3 @ 0600	3
Water Truck						DP 3 @ 0600	3
Water Truck						DP 3 @ 0600	
Inspector	<u> </u>					DP 3 @ 0600	
Inspector	<u> </u>					DP 3 @ 0600	
Inspector						DP 3 @ 0600	
Inspector	ļ					DP 3 @ 0600	
Safety Officer*		athke (Day Shift)	i	916-708-3983		DP 3 @ 0600	
Safety Officer*		lester (Night Shift)		805-570-3598		DP 3 @ 0600	
Safety Officer*	Sam ray	vlor (Night Shift)		559-997-6932	<u>'</u>	DP 3 @ 1800)
	ļ			-		 	· · · · · · · · · · · · · · · · · · ·
	 			 		 	
	 			 	· · · · · · · · · · · · · · · · · · ·	 	
6. Work Assignments	<u>.</u>	·			·	<u> </u>	
Continue placing rock a		te on erosion areas on	spillway.				
Continue improving acc							
		•					
*Denotes a 12 hour res	ource.						
7. Special Instructions				· · · · · · · · · · · · · · · · · · ·			
-		!!! b.a	4 6 . 45 7		456 41 1 1		•
Monitors with a safety	oπicer w	ili be moving in and d	or aivis	ions and will n	notify division supe	rvisors.	
B. Communications (ra	adio and/o	phone contact numbe	rs needed	for this assignm	nent):	,,	
Name		/ Function Primar	y Contact:	indicate cell, p	ager, or radio (freque	ency/system/ch	iannel)
-		/ REFEI	R TO ICS 2	05 FOR COM	MUNICATIONS PLAN	1	
). Prepared by:	Name: A	Alfred Macias	<u> </u>	Position/Title:	RESL	Signature:	@ ·
CS 204	}			Date/Time:	02/23/17	2200	

. Incident Name: 2. Operational Period:							3.	
Spillway DWR		Date From:		0.				
Drink		Time From:		Time	7	Branch:		
4. Operations Person		111110 1 101111			- 10,	<u></u>	Division:	
Operations Section		Sauce D. White	.al.*			•		Misc.
Operations Section							Group:	Group
		light: N. Smit	h*				Staging	Group
Division/Group Su	pervisor: E	Elliot A.M.					Area:	
5. Resources Assigne	d:			ا ا			Reporting Loca	
D						phone, pager, radio	Equipment and	
Resource Identifier	Leader			# 0	frequency, etc	.)	Remarks, Note DP 2 @ 0600	es, information
Excavator Grader	 			 	-		DP 2 @ 0600	
Skip Loader	 				ļ <u>-</u>		DP 2 @ 0600	
10 CY Dump Truck	 	•					DP 2 @ 0600	
Reach Lift	 		•				DP 2 @ 0600	
Semi Trk w/ Lowboy							DP 2 @ 0600	
Crane Truck	 				<u> </u>		DP 2 @ 0600	
Semi Trk w/ Lowboy	 	·					DP 2 @ 0600	
Safety Officer	Rod Teete	er (Day Shift)			916-505-7457		DP 2 @ 0600	
Caroty Cilicon	1100 1001	<u> (- u, </u>					1	
	 							· · · · · · · · · · · · · · · · · · ·
								
	 							
	<u> </u>					· · · · · · · · · · · · · · · · · · ·	-	
	· · ·					*		
							-	
					·			
* . ·								
								
					<u> </u>		L	·
6. Work Assignments:			. Bada da da			(
Continue traffic Control				ence:	at dam crest to	o diversion pool		
Continue diversion dam	•			!				
Continue base station in *Denotes a 12 hour reso		or laser mover	nent measun	ing				
								· · · · · · · · · · · · · · · · · · ·
7. Special Instructions	rā							
Monitors with a safety	officer wil	ll be moving i	in and out of	i divisi	ions and will n	otify division super	rvisors.	
8. Communications (ra	dio and/or	nhone contac	t numbers ne	eded f	or this assignm	ent):		
Name		Function			-	ager, or radio (freque	nov/evetem/cha	nnel\
Name	'	Tunction	- I milary Con	itaot.	maioato celi, pe	ager, or radio (freque	ncy/system/cna	intery
			REEER TO	ICS 20	05 FOR COMM	IUNICATIONS PLAN		
			TIEF EIT TO	100 20	201 011 0011111	0110/110101012/11		
								
9. Prepared by:	Name: Al	Ifred Macias		i	Position/Title:	RESL	Signature:	
ICS 204				\neg	Date/Time:		2200	

1. Incident Name:		2. Operation	al Period:				3.	
Spillway DWR		Date From:	02/24/17					
		Time From:	0600) Time	e To: 060	00	Branch:	•
4. Operations Pers	onnel:		***************************************				Division:	
Operations Sect	ion Chief: [Dav: P. Whitloc	:k*				Group:	Power Line
,	· —	Night: N. Smith					╡ '	Group*
 Division/Group Si							Staging Area:	· - -
5. Resources Assignment		t. Oftiz A.W.						·
5. Resources Assig	nea:			# of Person	Contact (c. a.	nhone negov redie	Reporting Lo	ocation, Special
Resource Identifier	Leader		ŀ	er of	frequency, etc	, phone, pager, radio		ind Supplies, otes, Information
Hydro Crane							DP 4 @ 060	
Hydro Crane	1						DP 4 @ 060	
MD500 Helicopter							DP 4 @ 060	
Safety Officer*	Brian Cou	ılter (Day Shift)			661-343-5095	5	DP 4 @ 060	
	1							
	1							
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	ļ					T-18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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· · · · · · · · · · · · · · · · · · ·	 			\dashv				
6. Work Assignmen	fa:			1			<u></u>	
Finish stringing / reeli		ruit on line 1 tov	wor.					
1111011 41111.911.9	119 110 11 2 2	Jule of mio 1 to 1	701.					
Denotes a 12 hour g	roup.							
7. Special Instructio	ns:							
•		*** *						
Monitors with a safe	ty officer v	will be moving	in and out	of div	isions and wi	ill notify division su	pervisors.	
•								
. Communications	(radio and/c	or phone contac	t numbers r	needer	d for this assig	nment):		
Name					_	ager, or radio (freque	ncv/system/cł	nannel)
· · · · · · · · · · · · · · · · · · ·		F	REFER TO I	CS 20	5 FOR COMN	NUNICATIONS PLAN	1	
<u>,, _ , _ , _ , _ , _ , _ , _ , _ , _ , </u>								
. Prepared by:	Name: Alfi	red Macias		F	Position/Title:	RESL	Signature:	
CS 204				7	Date/Time:		2200	

1. Incident Name:		3.					
Spillway DWR		Date From: 02/24/1					
		Time From: 060	Branch:	Sediment			
4. Operations Personnel:						Division:	Removal
Operations Section Chief: Day: P. Whitlock*						Group:	Group
		Night: N. Smith*				Staging	-
						Area:	Page 1 of 2
5. Resources Assig	ned:	\	ڃ			Reporting Loc	ation, Special
Resource Identifier	Leader		# of Person	Contact (e.g., frequency, etc	phone, pager, radio	Equipment and	
Excavator	1					DP 1 / DP 2 @	0600
Excavator						DP 1 / DP 2 @	0600
Excavator						DP 1 / DP 2 @	0600
Excavator						DP 1 / DP 2 @	0600
Excavator						DP 1 / DP 2 @	0600
Grader	1				* * * * * * * * * * * * * * * * * * *	DP 1 / DP 2 @	0600
Loader	†	· · · · · · · · · · · · · · · · · · ·				DP 1 / DP 2 @	0600
Loader			1		·········	DP 1 / DP 2 @	0600
Bull Dozer						DP 1 / DP 2 @	
Bull Dozer	 			., .	· · · · · · · · · · · · · · · · · · ·	DP 1 / DP 2 @	·
Bull Dozer						DP 1 / DP 2 @	
Bull Dozer							0600
Bull Dozer						DP 1 / DP 2 @	
Hydro. Crane						DP 1 / DP 2 @	
Hydro, Crane							0600
lydro. Crane						DP 1 / DP 2 @	·
Telehandler						DP 1 / DP 2 @	
Haul Truck	 		 			DP 1 / DP 2 @	
Dutra Boat			1			DP 1 / DP 2 @	
Dutra Boat						DP 1 / DP 2 @	
Dutra Boat			1			DP 1 / DP 2 @	0600
	Ì						
6. Work Assignmen	ts:						
Ballard potholing high	n sedime	nt areas upstream.					
Continue with constru	uction of	spoil areas.					
Continue improving a	ccess ro	ad to spoil areas.					
*Denotes a 12 hour r	esource.						
7. Special Instruction	ns:						
Monitors with a safe	ety office	er will be moving in and o	ut of di	visions and w	ill notify division su	pervisors.	
** Report to Drop Po	oint (DP)	as directed by Supervisor					
					 		
	(radio ar	nd/or phone contact number		_	·		
Name		/ Function Primary C	ontact:	indicate cell, p	ager, or radio (freque	ncy/system/cha	annel)
		1					· · · · · · · · · · · · · · · · · · ·
		/ REFER TO	O ICS 2	05 FOR COM	IUNICATIONS PLAN	1	
		1				<u></u>	
					·		
9. Prepared by:	Name:	Alfred Macias		Position/Title:	RESL	Signature:	\$2 - S
ICS 204				Date/Time:	02/23/17	2200	

1. Incident Name:		2. Operational Per	iod:	-			3.	
Spillway DWR		,		Date	To: 02/25/	/17		
		Time From:	!					Sediment
4. Operations Personnel:							Branch: Division:	Removal
Operations Section Chief: Day: P. Whitlock*						Group:	_	
Night N Cmith*						Staging	Group	
							Area:	Page 2 of 2
5. Resources Assigned:							Reporting Lov	cation, Special
Resource Identifier	Leade	r	# of	Person	Contact (e.g. frequency, et	, phone, pager, radio c.)	Equipment ar	nd Supplies, tes, Information
Tug Boat							DP 1 / DP 2 @	
Tug Boat							DP 1 / DP 2 @	
Tug Boat							DP 1 / DP 2 @	
Tug Boat							DP 1 / DP 2 @	
Barge							DP 1 / DP 2 @	0600
Barge	1						DP 1 / DP 2 @	
Barge							DP 1 / DP 2 @	-
Barge	1						DP 1 / DP 2 @	
Barge							DP 1 / DP 2 @	
Barge							DP 1 / DP 2 @	
Inspector							DP 1 / DP 2 @	
Inspector							DP 1 / DP 2 @	
Safety Officer*	Wayne	Wolfe (Day Shift)			916-214-6393	3	DP 1 / DP 2 @	
					· · · · · · · · · · · · · · · · · · ·			
 				_				
, , , , , , , , , , , , , , , , , , , ,				\dashv		-1	<u> </u>	
6. Work Assignment Ballard potholing high Continue with constru	sedime							
		ad Freeman trail. * Dred	aina Eau	maiı	ent idled.			
*Denotes a 12 hour re		`	3 0 1					
7. Special Instruction	ns:	<u> </u>			PB 11			
Monitors with a safe	ty offic	er will be moving in and	d out of	div	isions and w	ill notify division su	pervisors.	**
		as directed by Superviso				,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
*	.* -							
B. Communications	radio ar	nd/or phone contact num	bers nee	edec	for this assig	inment):		
Name					_	ager, or radio (freque	ncv/svstem/ch:	annel)
		1					y. = y = 10.1.1. 0110	
	<u>.</u>	/ REFER	TOICE	3 20	5 FOR COM	JUNICATIONS PLAN		
		1						
		1			r ·			
Prepared by:	Name:	Alfred Macias		P	osition/Title:	RESL	Signature:	
CS 204					Date/Time:		2200	

1. Incident Name:		2. Operation	3.				
Spillway DWR		Date From:	02/24/17				
						Branch:	
4. Operations Person	nel:						Division:
Operations Section Chief: Day: P. Whitlock*						Group: Hyatt	
Night: N. Smith*							ī
Division (One) on Over			· · · · · · · · · · · · · · · · · · ·				Staging Group
							Area:
5. Resources Assigne	ed:			등			Reporting Location, Special
				of ers	Contact (e.g.,	phone, pager, radio .)	Equipment and Supplies,
Resource Identifier L HEP	_eader			# 0	rrequency, etc.	.)	Remarks, Notes, Information Hyatt Powerhouse @ 0600
HEP			·				Hyatt Powerhouse @ 0600
HEP							Hyatt Powerhouse @ 0600
HEP		<u></u>			•		Hyatt Powerhouse @ 0600
HEP			-	-			Hyatt Powerhouse @ 0600
HEP							Hyatt Powerhouse @ 0600
F3L1			·		· · · · · · · · · · · · · · · · · · ·		Tryan Towernouse @ 0000
-							
						·	
		***			*		
			•				
					· · · · · · · · · · · · · · · · · · ·		<u> </u>
6. Work Assignments			1				
Continue installing Unit Continue installing bac			ımn				
Continue inspecting all		nps into plant sc	iiiip.				
Continue mopeoung, an	OL 00.						
*Denotes a 12 hour res	source.						
7. Special Instruction					7		
•							
Monitors with a safet	y office	r will be movin	g in and out	of div	isions and wil	I notify division su	pervisors.
							•
8. Communications (r	adio an	d/or phone cont	act numbers	neede	d for this assigi	nment):	
Name		/ Function	Primary Cor	ntact:	indicate cell, pa	ager, or radio (freque	ency/system/channel)
		1	 		•	· · · · · · · · · · · · · · · · · · ·	
		7	REFER TO	ICS 2	05 FOR COMM	IUNICATIONS PLAN	1
		1				· · · · · · · · · · · · · · · · · · ·	
		7			·		•
9. Prepared by: N	lame:	Alfred Macias			Position/Title:	RESL	Signature:
ICS 204					Date/Time:	02/23/17	2200

L			Incident Name			Date/Time Prenared		, acitorou	Oncertional Bosical Base (Time
	INCIDENT RADIO	ם האדו		!					a citor Date/ IIIIe
	COMMUNICATIONS PLAN	TIONS PLAN	is .	Spillway DWR		2/23/2017 1430	1430	CA	2/24/2017 0600-0600
ర్ *	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Fred N or W	RX Tone/NAC	TX Freq Nor W	Tx Tone/NAC	Mode A. D or M	Remarks
-	DWR CMD	BLOOMER	DWR	159.2550 N	141.3	151.2350 N	141.3	⋖	DWR COMMAND - KD9257
2									
က									
4	DWR OPS	CMD C-C 235	DWR	151.2350 N	141.3	151.2350 N	141.3	<	TACTED TACTED IN
2									DATE - VD853/
9	DWR TAC	HORSE	DWR	151.2050 N	107.2	159.2400 N	141.3	⋖	DWR TACTICAL - KD9257
7									
8									
6									
10									
E	17								
12									
13									
14									
15									
16									
17									
8									
19	·								
20									
Prep	Prepared By (Communications Unit)	ions Unit)			Incident Location	u			
Ma	Mark Chadwick, COML		1. Chedwar		Oroville Dam				

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.



COMMUNICATIONS LIST (ICS 205A)

2/24/17 2/25/17

1. Incident Name: Spillway DWR	2. 0	Operational Period: Date Fr Time Fr	om: 2/23/17* Date To: 2/24/17 om: 0600					
3. Basic Local Communications Information: Department of Water Resources								
Incident Assigned P		Name	Method(s) of Contact (phone, pager, cell, etc.)					
INCIDENT COMMAND		Joel Ledesma	916-849-4779					
INCIDENT COMMAND		Bruce Jones	530-712-7386					
INCIDENT COMMAND		Doug Mcelvain	661-333-4104					
INCIDENT COMMAND		Behzad Soltanzadeh	916-425-4815					
SECURITY OFFICER -		Roger Baker	530-990-1775					
SECURITY OFFICER -	- DAY	Curtis Green	909-809-7117					
SAFETY OFFICER - D		Mike Parreira	559-836-2959					
SAFETY OFFICER - D		Bill Collins	209-704-0564					
LIAISON OFFICER - D		Matt Murray	530-321-6035					
ENVIRONMENTAL CO		Eric See	530-900-8804					
	N OFFICER - DAY/NIGHT	Chris Orrock	916-690-5498					
PUBLIC INFORMATION		Lauren Hersh	916-849-9022					
PUBLIC INFORMATION		Maryanne Ciaraglia	916-425-0899					
PUBLIC INFORMATIO		Reyna Reys	-16-494-1421					
	S SECTION CHIEF - DAY	Bill Cochran	530-538-4748					
OPERATIONS SECTIO		Pat Whitlock	530-990-4300					
OPERATIONS SECTIO	ON CHIEF - DAY	Garrett Hart	916-539-8509					
OPERATIONS SECTIO		John Berringer	916-952-9376					
OPERATIONS SECTION		Nate Smith	530-219-5948					
MONITORING STRIKE		Dave Panec	916-653-0772					
STAGING AREA MANA	AGER - DAY	John Personeni	916-539-7726					
FLOATING DEBRIS RE	MOVAL STRIKE TEAM -	DAY Mark Reimer	661-524-1277					
SYBLON AND REID ST		Dan Ramsour	916-217-6733					
CONTINGENCY PLAN	NING -DAY	Tony Meyers	916-919-7171					
DAM SURVEILLANCE		Ryan Cooper	916-709-7756					
PLANNING SECTION (Mark Hafner	530-401-8564					
PLANNING SECTION (Phil LeCocq	916-402-7273					
RESOURCE UNIT LEA	DER - DAY	Ravi Sharma	916-709-7756					
SITUATION UNIT LEAD		Kevin Robinson	916-642-3115					
SITUATION UNIT LEAD		Ryan MacTarnaghan	916-801-6050					
DOCUMENTATION UN		Alyssa Stutz	530-592-9832					
DOCUMENTATION UN		Roberta Elkins	530-262-2357					
ENGINEERING SHOP		Tim Wehling	916-747-4673					
ENGINEERING SHOP		Jesse Dillon	916-577-0810					
ENGINEERING SHOP		Scott Hunt	916-574-2665					
4. Prepared by: Name: Lynne Esparza Position/Title: AGPA Signature: The Page 1								
ICS 205A	Г	Date/Time: 2/22/17 1300	· //					



COMMUNICATIONS LIST (ICS 205A)

2/15/17 2/25/17 2. Operational Period: Date From: 2/23/47 Date To: 2/24/17

Incident Name: 2. Operational Period: Date From: 2/23/17 Date To: 2/24/17 Spillway DWR Time From: 0600 Time To: 0600 3. Basic Local Communications Information: Department of Water Resources Method(s) of Contact Incident Assigned Position Name (phone, pager, cell, etc.) LOGISTICS SECTION CHIEF - DAY Wendy Underhill 530-448-7247 LOGISTICS SECTION CHIEF - NIGHT **Richard Jones** 661-400-0321 SUPPORT BRANCH DIRECTOR - DAY Ken Dunn 530-521-8487 **MONITORING STRIKE TEAMS - DAY** Dave Panec 916-653-0772 SUPPLY UNIT LEADER - DAY Kenn Dunn 530-521-8487 GROUND SUPPORT LEADER - NIGHT Chuck Saiz 530-370-2120 MEDICAL UNIT LEADER - DAY Josh Urias 916-605-6167 COMMUNICATION UNIT LEADER Mark Chadwick 559-283-2582 FINANCE/ADMIN SECTION CHIEF - DAY Jessica Roles 530-521-4910 TIME UNIT LEADER- DAY Karen Cawthon 530-534-2373 PROCUREMENT UNIT LEADER - DAY Lydia Barnum 916-534-2316 COMP. CLAIMS UNIT LEADER - DAY Jessica Roles 530-521-4910 **COST UNIT LEADER - DAY** Lynne Esparza 530-534-2372 -phone / 916-600-4871 cell LOGISTICS SECTION CHIEF - NIGHT Richard Jones 661-400-0321 SUPPORT BRANCH DIRECTOR - DAY Ken Dunn 530-521-8487 LOGISTICS SECTION CHIEF - DAY Wendy Underhill 530-448-7247 LOGISTICS SECTION CHIEF - NIGHT Richard Jones 661-400-0321 4. Prepared by: Name: Lynne Esparza Position/Title: **AGPA** Signature: **ICS 205A** Date/Time: 2/22/17 1300

MEDICAL	
MEDICAL	PLAN

INCIDENT NAME

SPILLWAY DWR CA-CDF-000114

2. DATE PREPARED

2/23/17

3. TIME PREPARED

1300

4. OPERATIONAL PERIOD

2/24/17 0600-0600

	HOUR					RS					
	11 (34)	5. 1	NCIDENT ME	DICAL AIL	STATIONS						Libert A.
MEDICAL AID ST	LOCATION							_	MEDICS		
DWR OPERATIONS CENTER	460 GLEN DR OROVILLE, CA 95966							YES	NO XX		
DWR OPERATIONS CENTER	6 TRANSPORTATION										
			CONTRACTOR OF STREET AND ADDRESS OF	mbuland	BREAM AND THE TOP AND A COUNTY		\$2.00 m	*1.089414V		40289	
			7.7.17						···-	PARA	MEDICS
NAME				ADI	DRESS			PHONE		YES	NO
Enloe FlightCare	1531 Espla	nade Chi	co, CA 959	926		911		XX			
			·								
			B. Ground	d Ambula	ınces						
Butte County EMS – Oroville	1531 Esplanade Chico, CA 95926 911							XX			
			7. HC	SPITALS							
NAME		ADDRESS			LTIME	PHONE		HELIF			CENTER
TVAVIC	<u>-</u>	7,007,000		AIR	GRND			YES	NO	YES	NO
Oroville Hospital	2767 C	live Hwy Orovill	le, CA	2 min	8 min	530-533-8500		XX			XX
Orchard Hospital	240	Spruce St Grid	ley, CA	15 min	30 min	530-846-90	000		XX	,	XX
Enloe Medical Center – Trauma		1 Esplanade Ch		15 min	36 min	530-332-73	300	XX			XX
U. C. Davis Hospital		15 STOCKTON SACRAMENTO,		45 min	1.5 hrs	916-734-20	011_	XX		XX	

8. MEDICAL EMERGENCY PROCEDURES **INJURY REPORTING PROCEDURES**

LINE EMERGENCY: Crew Supervisor to contact Division Supervisor with patient complaint/condition and location.

- **Division Supervisor contacts:**
 - 911
 - ACC Area Control Center -(530) 534-2426
- ACC contacts.
 - Medical Unit
 - Safety Officer
 - Operations
- Notify Safety Officer, Day or Night OPS
- Safety or OPS will respond and run the incident as necessary

BASE EMERGENCY: Contact 911. Notify the Medical Unit with patient complaint/condition and location. Medical Staff will respond to stabilize incident.

NATURE OF INJURY
LOCATION OF PATIENT
TRANSPORTATION REQUESTED BY: AIR GROUND
POINT OF PICKUP

LAT LONG____

PATIENT UNIT ID_ REMINDER: DO NOT GIVE PT NAME OVER RADIO

SEX: MALE____ FEMALE___

ALL EMERGENCIES---Secure the area and identify witnesses for later investigation. Keep an accurate log of events.

> Josh Urias Medical Unit (916) 605-6167

9. PREPARED BY (MEDICAL UNIT LEADER) ICS 206 8-78 Josh Urias, MEDL (

10. REVIEWED BY (SAFETY OFFICER) Mike Parreira, SOFR

AGE



PUBLIC INFORMATION SECTION

Incident Information Line: (530)-538-7826

Incident Media Line: (530) 268-5869

STATUS							
Incident Start Date: 02/07/2017	Incident Start Time: 2:00 PM						
Incident Type: Northern Winter Storms	Description: Damage to the Oroville Spillway						
Incident Location: Oroville Dam, Canyon Dr. & Oroville Dam Rd, Oroville, CA 95966							

MEDIA – The California State Penal Code Section 409.5(d) allows the news media to enter scenes of disaster, riot or civil disturbance. Properly identified members of the news media should not be restricted from entering locations specified within the code. However, this does not include crime scenes, private property and does not imply that the news media may interfere with incident operations while they are in the areas of concern. You can get further information about Penal Code Section 409.5(d) at http://www.leginfo.ca.gov/cgi-bin/displaycode?section=pen&group=00001-01000&file=403-420.1

PHOTOGRAPHS AND VIDEOS OF INCIDENT – We are in a new era of media. Media no longer means news/broadcast industry, but now refers to anyone that has the capability to shoot video, photographs and post them onto social media sites in a matter of minutes. Unfortunately, we have seen some instances of photographs or videos that have depicted unsafe, unprofessional or embarrassing circumstances which are a serious breach of ethics. When this happens, it reflects poorly on all that are attached to this incident. Posting an inappropriate video, photo or blog comment could expose oneself to unwanted ramifications. It may be unsafe to shoot photos or video and a firefighter who is concentrating on a camera loses their situational awareness. You can find pictures on the DWR website at www.water.ca.gov/pixel and daily videos at

https://www.youtube.com/channel/UCTTvFfFatgWr6jv1jVgei1w

The Public Information Office would like copies of the video and pictures that you safely took while not in an emergency situation, fire suppression activity or in an overhead assignment. Bring your video and pictures to the Public Information trailer; they will be reviewed and possibly uploaded to our many CAL FIRE social media sites. Remember, we don't want photographs or videos that depict unsafe, unprofessional or embarrassing circumstances, which are a serious breach of ethics. You can also send your photographs and videos to the following email "Chris. Orrock@water.ca.gov".

LOST AND FOUND – The Information Section will manage lost and found items for the incident. If you have lost an item please leave your contact information and what you have lost at the Information Section. If you have found an item on the incident, bring the item to the Information Section with your contact information as well.

PROS AND CONS – We need your feedback! Please take a minute to fill out the Pros and Cons sheet in the main lobby. This information will help us improve our operations in the future.



FINANCE SECTION MESSAGE

2/24/2017

Please remember to sign your timesheets.

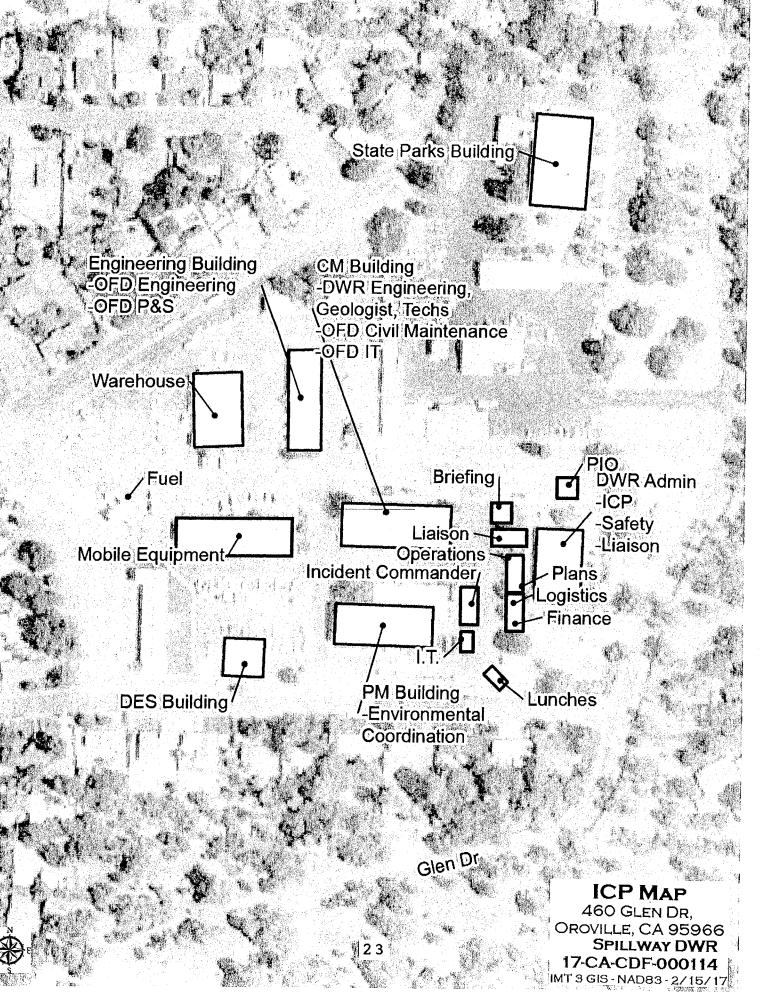
Reminder to put the incident number on the ICS 214 activity log sheet which is "EM-3381"

DWR 208 and ICS 214 need to be completed daily.

DWR 208 does not need to include a lunch.

Meals are for DWR staff only and every one must sign for the meal.

Jessica Roles, FSC



ACTIVITY LOG (ICS 214)

1. Incident Name:		2. Operational Period:	Date From: Time From:	Date To: Time To:
7. Activity Log (co	ntinuation):			
Date/Time	Notable Activities			
		-		

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				Andrew Colonia Williams III II I
			the state of the s	
8. Prepared by: Na	me:	Position/Title:	Sign	nature:
ICS 214, Page 2		Date/Time:		

ACTIVITY LOG (ICS 214)

1. Incident Name:		2. Operational Per	2. Operational Period: Date From: Date To: Time From: Time To:					
3. Name:		4. ICS Position:		me Agency (and Unit):				
6. Resources Ass								
Na	me	ICS Position	<u>'</u>	Home Agency (and Unit)				
7. Activity Log:				·				
Date/Time	Notable Activities							
8. Prepared by: N	ame:			ignature:				
ICS 214, Page 1		Date/Time:						